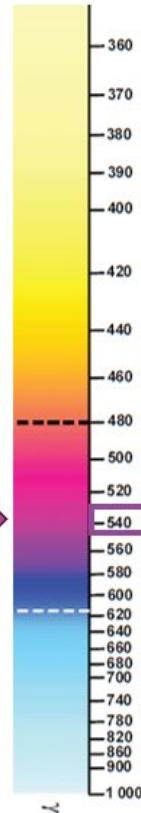
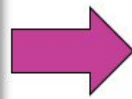
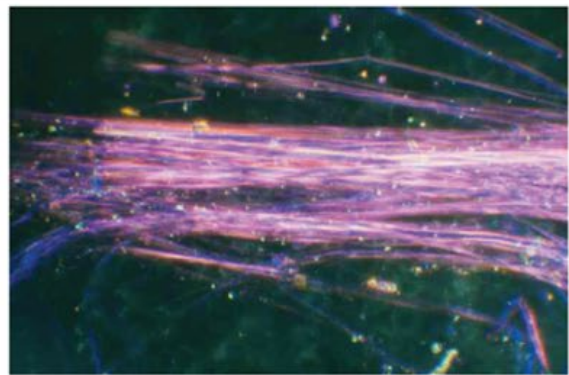


# EXHIBIT 4

# PLM Steps



ISO Reference Chrysotile



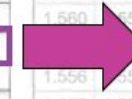
540nm



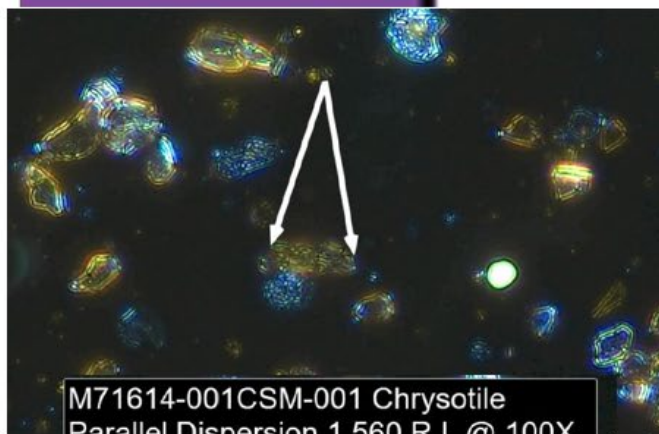
SU TABLES

Table 5.  $\lambda_m$  and  $t$  to RI Conversion for Chrysotile in Cargille 1.550 (E) — CORRECTED

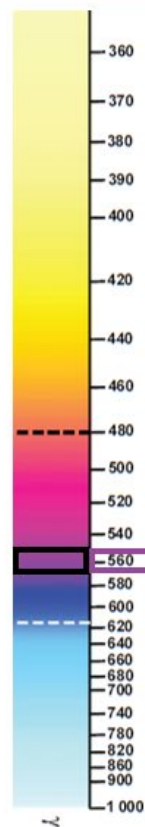
$\lambda_m$ (nm)	$\gamma$						
	17° C	19° C	21° C	23° C	25° C	27° C	29° C
400	1.581	1.581	1.580	1.579	1.578	1.577	1.576
420	1.576	1.575	1.574	1.573	1.572	1.571	1.570
440	1.572	1.571	1.570	1.569	1.568	1.567	1.566
460	1.568	1.567	1.566	1.565	1.564	1.563	1.563
480	1.565	1.564	1.563	1.562	1.561	1.560	1.559
500	1.563	1.562	1.561	1.560	1.559	1.558	1.557
520	1.560	1.559	1.558	1.557	1.556	1.555	1.554
540	1.556	1.555	1.554	1.553	1.552	1.551	1.550
560	1.555	1.554	1.553	1.552	1.551	1.550	1.549
580	1.553	1.552	1.551	1.550	1.549	1.548	1.547
600	1.552	1.551	1.550	1.549	1.548	1.547	1.546
620	1.551	1.550	1.549	1.548	1.547	1.546	1.545
640	1.549	1.548	1.547	1.546	1.545	1.545	1.544
660	1.548	1.547	1.546	1.545	1.544	1.543	1.543
680	1.547	1.546	1.545	1.544	1.544	1.543	1.542
700	1.547	1.546	1.545	1.544	1.543	1.542	1.541
720	1.546	1.545	1.544	1.543	1.542	1.541	1.540
740	1.546	1.545	1.544	1.543	1.542	1.541	1.540



# MAS Is Calling This Particle Purple



M71614-001CSM-001 Chrysotile  
Parallel Dispersion 1.560 R.I. @ 100X  
R.I. 1.564



560nm



SU TABLES

Chrysotile

in Cargille 1.560 (E)

$\lambda_m$ (nm)	$\gamma$						
	17°C	19°C	21°C	23°C	25°C	27°C	29°C
400	1.590	1.589	1.588	1.588	1.587	1.586	1.585
420	1.585	1.584	1.583	1.583	1.582	1.581	1.580
440	1.581	1.580	1.579	1.578	1.577	1.577	1.576
460	1.578	1.577	1.576	1.575	1.574	1.573	1.572
480	1.575	1.574	1.573	1.572	1.571	1.570	1.569
500	1.572	1.571	1.570	1.569	1.568	1.567	1.567
520	1.570	1.569	1.568	1.567	1.566	1.565	1.564
540	1.568	1.567	1.566	1.565	1.564	1.563	1.562
560	1.565	1.564	1.564	1.563	1.562	1.561	1.560
580	1.564	1.563	1.562	1.562	1.561	1.560	1.559
600	1.563	1.562	1.561	1.560	1.559	1.558	1.557
620	1.562	1.561	1.560	1.559	1.558	1.557	1.556
640	1.560	1.559	1.559	1.558	1.557	1.556	1.555
660	1.559	1.558	1.557	1.557	1.556	1.555	1.554
680	1.558	1.557	1.556	1.556	1.555	1.554	1.553
700	1.557	1.556	1.556	1.555	1.554	1.553	1.552
720	1.557	1.556	1.555	1.554	1.553	1.552	1.551
740	1.556	1.555	1.554	1.553	1.552	1.551	1.550